

What is claimed is:

1. A digital camera comprising:

a device for storing image data;

a communication device connected to a local area network to
5 conduct a data communication; and

a control device to control said storing device and said
communication device, wherein

said control device sends request data with a broad cast to said
local area network by said communication device, and when data for
10 responding to said request data are received from an equipment which
is connected to said local area network, said control device detects an IP
address of the equipment in which said response data are sent, and
sends the image data which are stored in said storing device to the
equipment which includes the detected IP address.

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2. A digital camera according to claim 1, further comprising:

a display device to display a list of the IP address detected by
said control device or a list of the equipment which includes the IP
address; and

20 a selection device to select the IP address or the equipment
displayed on said list, wherein

said control device sends the image data stored in said storing
device to the equipment which includes the IP address selected by said
selection device or the equipment which is selected by said selection
25 device.

3. A digital camera according to claim 1, wherein if the IP address

detected within a predetermined time after said request data are sent is one, said control device automatically sends the image data stored in said storing device to the equipment which includes the IP address.

- 5 4. A digital camera according to claim 1, further comprising:
 a device for instructing a transmission to instruct said control
device for sending the image data stored in said storing device; and
 a device for storing an address to store a destination when the
image data stored in said storing device are sent, wherein
10 when said control device receives the instruction of sending from
said instructing device with a condition in which the destination is
stored in said address storing device, said control device sends the
image data stored in said storing device to the destination stored in
said address storing device.

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5. A digital camera according to claim 2, further comprising:
 a device for instructing a transmission to instruct said control
device for sending the image data stored in said storing device, wherein
 said control device sequentially makes said list by repeatedly
20 conducting a processing for detecting said IP address, and when the
control device receives the instruction of sending from said instructing
device, said control device displays a latest list which is made at this
point on said display device.

- 25 6. A method for sending image data of a digital camera, said
digital camera including:
 a device for storing image data to store the image data;

a communication device connected to a local area network to conduct a data communication; and

a control device to control said storing device and said communication device, wherein

5 said digital camera sends the image data stored in said storing device through said local area network,

said method comprising:

a request step for sending request data with a broad cast to said local area network by said communication device;

10 a response step for detecting an IP address of a equipment in which a response data are sent when the data for responding to said request data are received from the equipment connected to said local area network; and

15 a transmission step for sending the image data stored in said storing device to the equipment which includes the detected IP address.

7. A system for sending and receiving image data comprising:

a digital camera; and

a terminal equipment,

20 said digital camera including:

a device for storing image data;

a communication device connected to a local area network to conduct a data communication; and

25 a camera control device to detect an IP address of a destination from request data, which are received through said local area network by said communication device, and to send response data, which include an IP address of own to said IP address of the detected destination, and

when data for requiring an image data transmission are received from said destination replied with respect to the response data, the camera control device sends the image data stored in said storing device to said destination in accordance with said data for requiring the image data transmission,

said terminal equipment including:

a terminal communication device connected to said local area network to conduct a data communication; and

a terminal control device to send said request data with a broad cast to said local area network by the terminal communication device, and to detect the IP address of said digital camera by the response data when said data for responding to said request data are received, and to send the data for requiring the image data transmission to the detected IP address, and to obtain the image data from said digital camera replied in accordance with said data for requiring the image data transmission.

8. A system for sending and receiving image data according to claim 7, wherein said terminal equipment comprises a display device for a terminal equipment to display a list of the IP address of the digital camera detected by said terminal control device or a list of the digital camera which includes the IP address and a selection device for a terminal equipment to select the IP address or the digital camera displayed on said list, and said terminal control device sends said data for requiring the image data transmission to the digital camera which includes the IP address selected by said selection device for the terminal equipment or to the digital camera selected by said selection

device for the terminal equipment.

9. A system for sending and receiving image data according to claim 7, wherein in accordance with the response data replied within a predetermined time, when said terminal control device judges that the digital camera which is connected to said local area network is one, said terminal control device sends automatically said data for requiring the image data transmission to the digital camera.

10. A system for sending and receiving image data according to claim 7, wherein said terminal equipment comprises a device for sending an instruction to a terminal equipment to instruct said terminal control device for sending said data for requiring the image data transmission and a device for storing a destination to store the destination when said data for requiring the image data transmission are sent, and when said terminal control device receives the instruction of sending from said device for sending the instruction to the terminal equipment with a condition in which the destination is stored in said device for storing the destination, sends said data for requiring the image data transmission to the destination stored in said device for storing the destination.

11. A system for sending and receiving image data according to claim 8, further comprising:

a device for sending an instruction to a terminal equipment to instruct said terminal control device for sending said data for requiring the image data transmission, wherein

said terminal control device sequentially makes said list by repeatedly conducting a processing for detecting said IP address, and when the instruction of sending is received from said device for sending the instruction to the terminal equipment, displays a latest list which is
5 displayed at this point on said display device for the terminal equipment.

12. A system for sending and receiving image data comprising:
- a digital camera; and
 - 10 a terminal equipment;
 - said digital camera including:
 - a device for storing image data;
 - a communication device connected to a local area network to conduct a data communication; and
 - 15 a camera control device to send information data including an IP address of own with a broad cast through said local area network by said communication device, and
 - said terminal equipment including:
 - a terminal communication device connected to said local area
 - 20 network to conduct a data communication, and
 - a terminal control device to send said information data through said local area network by said terminal communication device, and to detect the IP address of said digital camera by the information data, and to make a list of the IP address or a list of the digital camera which
 - 25 has the IP address, and to send data for requiring an image data transmission to any of the IP addresses of the digital cameras in the list, and to obtain the image data from said digital camera replied in

accordance with said data for requiring the image data transmission.

13. A system for sending and receiving image data according to claim 12, wherein said camera control device sends data for informing a completion through said local area network before a power is turned off or before the data communication is disconnected by said communication device, and when said terminal control device receives said data for informing the completion through said terminal communication device, deletes a digital camera in which the said data for informing the completion are received from said list.

14. A system for sending and receiving image data according to claim 12, wherein said terminal equipment comprises a display device for a terminal equipment to display the list of the IP address of said digital camera detected by said terminal control device or the list of the digital camera which includes the IP address, a selection device for a terminal equipment to select the IP address or the digital camera displayed on said list, and said terminal control device sends said data for requiring the image data transmission to the digital camera which includes the IP address selected by said selection device for the terminal equipment or the digital camera selected by said selection device for the terminal equipment.

15. A system for sending and receiving image data according to claim 12, wherein when said terminal control device judges that one digital camera, which includes the IP address of said digital camera or the IP address, is included in said list, said terminal control device

automatically sends said data for requiring the image data transmission to the digital camera.

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